

**APPENDIX C:**  
**“Clean” Version of Claim Listing**

1. A surgically modified nonhuman mammalian animal model comprising a nonhuman mammalian animal having a preoperative weight, a preoperative endogenous ghrelin production and a preoperative normal animal gastrointestinal tract that has undergone a surgical modification, wherein said surgical modification reduces the volume of a stomach of said gastrointestinal tract leaving a residual gastric pouch that food enters and in which food is lodged while undergoing digestion, and reduces the digestive area of said gastrointestinal tract; and, wherein postoperatively, said surgically modified nonhuman mammalian animal exhibits a permanent reduction of said preoperative weight and a permanent reduction in said preoperative endogenous ghrelin production.

2. The nonhuman mammalian animal model of claim 1, wherein said nonhuman mammalian animal is selected for the surgical modification from the group comprising murine, ovine, porcine, caprine, canine, feline, and primate nonhuman mammalian animals.

5. The nonhuman mammalian animal model of claim of claim 1, wherein said nonhuman mammalian animal is selected for the surgical modification from the group comprising already existing genetically modified murine, ovine, porcine, caprine, canine, feline, and nonhuman  
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mammalian animals that express an obese phenotype.

4. The nonhuman mammalian animal model of claim 1 wherein said animal is a Zucker rat.

7. The nonhuman mammalian animal model of claim 1, wherein said surgical modification is selected from the group comprising bariatric surgeries that leave a gastric pouch that food enters and in which food is lodged while undergoing digestion, biliopancreatic diversion that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastric banding that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastric reduction that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastric by-pass that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastrectomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastrocolostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroduodenostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroenterocolostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroenteroplasty that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroenterostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroenterotomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion,

gastroesophagostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastrogastrostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroileostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastrojejunostomy that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, gastroplasty that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, vertical banded gastroplasty that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, intestinal bypass that leaves a gastric pouch that food enters and in which food is lodged while undergoing digestion, restriction operations that leave a gastric pouch that food enters and in which food is lodged while undergoing digestion, and weight-loss surgery that leave a gastric pouch that food enters and in which food is lodged while undergoing digestion.

8. The nonhuman mammalian animal model of claim 4 wherein said Zucker rat has undergone a Roux-en-Y gastroplasty.